BRUHAT BANGALORE MAHANAGARA PALIKE

Construction of Composting Pits at Parks in ward no 04 yelahanka sattellite Town Sub Division .

Est Cost: =25.00Lakhs

Sl No	Description of Items	No	Length m	Width m	Depth m	Quantity	Unit	Rate	Amount
1	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5(P.No. 5/I.No. 2.3 of CSR 2018-19)								
	Basic Rtae	299.00							
	Loading and Un loading Charges with 10km Lead 57+(2*1.28*10)	82.60							
	Sub total	381.60							
	C (Area Weightage 6%)	22.90							
	Total	**404.50**							
	In Park								
	For Composting Pits	10	3.00	3.00	2.50	225.00			
	For Granite Benches	40	2.00	1.50	0.15	18.00			
						243.00	**Cum**	**404.50**	**98,292.53**
2	KSRRB M300- Construction of Embankment with Material Gravel/ Murrum. KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification No. 305. Item No 19.60								
	A.Basic rate	325.00							
	B.Area Weightage 6%	19.50							
	Total	344.50							
	In Park								
	For Granite Benches	40	2.00	1.50	0.20	24.00			
						24.00	**Cum**	**344.50**	**8,268.00**
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No. 12/I.No. 4.2 of CSR 2015-16)								
	Basic rate	5,194.00							
	Deduct Cement cost as per SR 18-19 Page no V Sl No 123	-1,079.39	Note:- (220*490.63/100)=1079.39						
	Add Cement Cost as per Issue Rate	1,323.43	Note:- (220*300.78/50)=1323.43						
	Sub Total	5,438.04							
	6% AW	326.28							
	Total	**5,764.32**							
	In Park								
	Bed For Composting Pit Wall	10	11.10	0.45	0.15	7.49			
	Composting Pit Surroundings	10	12.00	0.90	0.15	16.20			
	For Granite Benches	40	2.00	1.50	0.20	24.00			
						47.69	**Cum**	**5,764.32**	**2,74,914.95**

4	KSRB 4.2.1 : Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6. (P.No. 14/I.No. 4.10 of CSR 2018-19)									
	Basic Rate	5,812.00								
	Deduct Cement cost as per SR 18-19 Page no V Sl No 123	-1,668.14	Note:- (340*490.63/100)=1668.14							
	Add Cement Cost as per Issue Rate	1,795.61	Note:- (340*264.06/50)=1795.61							
	Sub total	5,939.47								
	6% Area weightage	356.37								
	Total	**6,295.83**								
		Cum								
	In Park									
	Composting Pit Surroundings	10	12.00	0.90	0.15	16.20				
	For Granite Benches	40	2.00	1.50	0.15	18.00				
						34.20	**Cum**	**6,295.83**	**2,15,317.52**	
5	KSRB 6-5.3 : Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of class designation 5.0Newton per sqmm (table moulded) with cement mortar 1:6 for basement and superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2. Item No 6.17									
	Basic rate	6,881.00								
	Deduct Cement cost as per SR 18-19 Page no V Sl No 123	-257.58	Note:- (52.50*490.63/100)=36.11							
	Add Cement Cost as per Issue Rate	277.26	Note:- (52.50*300.78/50)=38.87							
	Sub Total	6,900.68								
	6% AW	414.04								
	Total	**7,314.72**								
	In Park									
	Below GL									
	For Composting Pits	10.00	2 X 3	0.23	1.50	20.70				
		10.00	2 X 2.5	0.23	1.50	17.25				
	Above GL									
	For Composting Pits	10.00	2 X 3	0.23	0.75	10.35				
		10.00	2 X 2.5	0.23	0.75	8.63				
						56.93	**Cum**	**7,314.72**	**4,16,390.48**	
6	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.13, I.No. 4.6 of PWD SR 2015-16)									
	Basic rate	5,422.00								
	Deduct Cement cost as per SR 18-19 Page no V Sl No 123	-1,177.51	Note:- (240*490.63/100)=1177.51							
	Add Cement Cost as per Issue Rate	1,443.74	Note:- (240*300.78/50)=1443.74							
	Sub Total	5,688.23								
	6% AW	341.29								
	Total	**6,029.53**								
	In Park									
	Coping for Composting Pit Wall									
	Above GL									
	For Composting Pits	10	11.10	0.23	0.10	2.55				
						2.55	**Cum**	**6,029.53**	**15,393.38**	

7	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. (P.No. 109, I.No. 14.62 of PWD SR 2018-19)								
	A.Basic rate	1,232.00							
	B.Area Weightage 6%	73.92							
	Total	1,305.92							
	In Park								
	For Granite Benches	40	2.00	1.50		120.00			
						120.00	Sq-m	1,305.92	1,56,710.40
8	Granite Benches (Data Rate)								
	Data Rate	18,200							
	In Park	40							
						40.00			
						40.00	No	18,200	7,28,000.00
9	Providing and fixing pre cast solid cement concrete kerb stones made out of C.C. 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting, including form work, curing, including cost of all materials, labour, hire charges of machinery, loading, unloading, lead and lift, transportation etc., complete. (P.No 27 of I.No.5.30 in PW,P&IWTD SR 2018-19)								
	A.Basic rate	408.00							
	B.Area Weightage 6%	24.48							
	Total	432.48							
	In Park								
		1	223.00			223.00			
					/0.45	496.00	No	432.48	2,14,510.08
10	KSRRB 800-1. Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 (Page No.180. litem no.24.1 of KPWD S.R Bangalore Circle 2018-2019)								
	A.Basic rate	80.00							
	B.Area Weightage 6%	4.80							
	Total	84.80							
	In Park								
		1	223.00		0.35	78.05			
						78.05	Sq-m	84.80	6,618.64
11	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineerin - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete). (Page No.180. litem no.37.2 of KPWD S.R Bangalore Circle 2018-2019)								
	A.Basic rate	859.00							
	B.Area Weightage 6%	51.54							
	Total	910.54							
	In Park								
		10.00			3.00	30.00			
						30.00	m	910.54	27,316.20
12	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint. (Page No.180. litem no.37.3 of KPWD S.R Bangalore Circle 2018-2019)								
	A.Basic rate	715.00							
	B.Area Weightage 6%	42.90							
	Total	757.90							
	In Park								
		1	24.00		2.15	51.60			
						51.60	Sq-m	757.90	39,107.64

3	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint. (Page No.180. litem no.37.4 of KPWD S.R Bangalore Circle 2018-2019)								
	A.Basic rate	408.00							
	B.Area Weightage 6%	24.48							
	Total	432.48							
	In Park	3	24.00			72.00			
						72.00	m	432.48	31,138.56
						Total Construction Cost			22,31,978.38
							12% GST Charges		2,67,837.41
								Sub Total	24,99,815.78
						Miscellaneous and Rounding off			184.21
	GRAND TOTAL								25,00,000.00

ertificate

. The workspot was inspected and works is found to be necessary.

. The area comes within the Bruhat Bangalore Mahanagara Palike limits.

. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019.and Data Rates

Assistant Enginner
Ward No 04
B.B.M.P

Assistant Executive Enginner
Yelahanka Division
B.B.M.P

Executive Enginner
Yelahanka Division
B.B.M.P

Administrative Approval.

Accorded For 25.00 lakhs
Head of A/C P-3740
CER NO : 23 Dt: 02/9/2021

TA CE (NNK)

Technical Sanction

Accorded For 25.00 lakhs
Head of A/C P-3740
CER NO : 45 Dt: 2/9/21